

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/10/005,202**

DATE: 01/02/2002  
TIME: 09:43:36

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\01022002\J005202.raw

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Output Set: N:\CRF3\01022002\J005202.raw

59 His Ile Phe Gly Glu Trp Gly Ser Tyr Met Val Asp Ile Phe Thr Thr  
60 50 55 60  
61 Leu Val Asp Thr Lys Trp Arg His Met Phe Ile Ile Phe Ser Leu Ser  
62 65 70 75 80  
63 Tyr Ile Leu Ser Trp Leu Ile Phe Gly Ser Ile Phe Trp Leu Ile Ala  
64 85 90 95  
65 Phe His His Gly Asp Leu Leu Ser Asp Pro Asp Ile Thr Pro Cys Val  
66 100 105 110  
67 Asp Asn Val His Ser Phe Thr Ala Ala Phe Leu Phe Ser Leu Glu Thr  
68 115 120 125  
69 Gln Thr Thr Ile Gly Tyr Gly Tyr Arg Cys Val Thr Glu Glu Cys Ser  
70 130 135 140  
71 Val Ala Val Leu Thr Val Ile Leu Gln Ser Ile Leu Ser Cys Ile Ile  
72 145 150 155 160  
73 Asn Thr Phe Ile Ile Gly Ala Ala Leu Ala Lys Met Ala Thr Ala Arg  
74 165 170 175  
75 Lys Arg Ala Gln Thr Ile Arg Phe Ser Tyr Phe Ala Leu Ile Gly Met  
76 180 185 190  
77 Arg Asp Gly Lys Pro Cys Leu Met Trp Arg Ile Gly Asp Phe Arg Pro  
78 195 200 205  
79 Asn His Val Val Glu Gly Thr Val Arg Ala Gln Leu Leu Arg Tyr Ser  
80 210 215 220  
81 Glu Asp Ser Glu Gly Arg Met Thr Met Ala Phe Lys Asp Leu Lys Leu  
82 225 230 235 240  
83 Val Asn Asp Gln Ile Ile Leu Val Thr Pro Val Thr Ile Val His Glu  
84 245 250 255  
85 Ile Asp His Glu Ser Pro Leu Tyr Ala Leu Asp Arg Lys Ala Val Ala  
86 260 265 270  
87 Lys Asp Asn Phe Glu Ile Leu Val Thr Phe Ile Tyr Thr Gly Asp Ser  
88 275 280 285  
89 Thr Gly Thr Ser His Gln Ser Arg Ser Ser Tyr Ile Pro Arg Glu Ile  
90 290 295 300  
91 Leu Trp Gly His Arg Phe His Asp Val Leu Glu Val Lys Arg Lys Tyr  
92 305 310 315 320  
93 Tyr Lys Val Asn Cys Leu Gln Phe Glu Gly Ser Val Glu Val Tyr Ala  
94 325 330 335  
95 Pro Phe Cys Ser Ala Lys Gln Leu Asp Trp Lys Asp Gln Gln Leu Asn  
96 340 345 350  
97 Asn Leu Glu Lys Thr Ser Pro Ala Arg Gly Ser Cys Asn Ser Asp Thr  
98 355 360 365  
99 Asn Thr Arg Arg Arg Ser Phe Ser Ala Val Ala Val Val Ser Ser Cys  
100 370 375 380  
101 Glu Asn Pro Glu Glu Thr Val Leu Ser Pro Gln Asp Glu Cys Lys Glu  
102 385 390 395 400  
103 Met Pro Tyr Gln Lys Ala Leu Leu Thr Leu Asn Arg Ile Ser Met Glu  
104 405 410 415  
105 Ser Gln Met  
109 <210> SEQ ID NO: 3  
110 <211> LENGTH: 200

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111 <212> TYPE: DNA  
112 <213> ORGANISM: Artificial Sequence  
114 <220> FEATURE:  
115 <223> OTHER INFORMATION: Targeting vector  
117 <400> SEQUENCE: 3  
118 agcttacagga tcgtcaatgt ggactccaaa tatccaggt atcccccaga gcatgccatc 60  
119 gctgagaaga gaagagcaag aaggcgcttg ctccacaaag atggcagctg taatgtgtac 120  
120 tttaaacaca tttttggaga atgggggagc tacatggtt atattttac cacttttgt 180  
121 gataccaatg ggcgcctat 200  
123 <210> SEQ ID NO: 4  
124 <211> LENGTH: 200  
125 <212> TYPE: DNA  
126 <213> ORGANISM: Artificial Sequence  
128 <220> FEATURE:  
129 <223> OTHER INFORMATION: Targeting vector  
131 <400> SEQUENCE: 4  
132 cgaagagtgc tctgtggctg tactgacagt gatccttcag tccatcctca gctgcattcat 60  
133 aaacaccctc atcatggag cagccttggc aaagatggca actgccccga agagagccca 120  
134 gaccatacgc ttcaagttt tttccctcat ttgttatgaga gacggaaagc tttgcctcat 180  
135 gtggcgatca ggtgacttcc 200

VERIFICATION SUMMARY  
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L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date